Interview Summary	Application No.	Applicant(s)	
	10/828,745	WHITEHEAD ET AL.	
	Examiner	Art Unit	
	Gregory C. Issing	3662	

All participants (applicant, applicant's representative, PTO personnel):

(1) *Gregory C. Issing*. (3)_____.

(2) *Mark Brown*. (4)_____.

Date of Interview: *06 June 2007*.

Type: a)☐ Telephonic b)☐ Video Conference
c)☒ Personal [copy given to: 1)☐ applicant 2)☒ applicant's representative]

Exhibit shown or demonstration conducted: d)☐ Yes e)☐ No.
If Yes, brief description: _____.

Claim(s) discussed: *31*.

Identification of prior art discussed: *Rorabaugh*.

Agreement with respect to the claims f)☐ was reached. g)☒ was not reached. h)☐ N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: *Discussed proposed amendments to claim 31 to clarify the determination of structure attitude in conditions of lost signal reception at an antenna, proposed amendment/changes included. Drawing suggested to be added. Proposed amendments appear to overcome the cited prior art*.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN A NON-EXTENDABLE PERIOD OF THE LONGER OF ONE MONTH OR THIRTY DAYS FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.

Gregory C. Issing
Examiner's signature, if required

PROPOSED

31. (currently amended) A system for ~~measuring position~~ determining the GNSS-defined positions of first and second points fixed relative to each other and in close proximity on a structure ~~comprising,~~ which system comprises:

~~at least one~~ a first GNSS receiver;

a first antenna located at the first point on the structure and in operable communication with said first GNSS receiver and configured to receive a first plurality of satellite signals;

a second GNSS receiver;

a second antenna located at the second point on the structure and in operable communication with ~~one of said GNSS receiver or a~~ said second GNSS receiver and configured to receive a second plurality of satellite signals having a known relative orientation to said first point;

said antennas having known and fixed locations relative to each other;

an orientation device adapted for determining an ~~relative~~ orientation of said ~~system~~ structure antennas relative to each other based on the locations of said antennas ~~relative to each other;~~

a common clock utilized by said ~~one or more~~ first and second receivers; and

a position solution processor ~~adapted~~ configured for compensating for a non-receiving condition of one of said antennas and determining ~~an earth-fixed position utilizing signals from at least three satellites,~~ the GNSS-defined positions of said first and second points based on: (1) ~~at least one of said satellite~~ GNSS signals received by one of said antennas and input to said

position solution processor; ~~is received by said first antenna and not by said second antenna, said signals being received by both of said antennas and said processor using~~ (2) an input signal from said clock to said position solution processor; and (3) ~~an input signal from said orientation device~~ the known relative orientation of said points, to said position solution processor.

a structure attitude determining processor for determining the attitude of the structure based on (1) the determined GNSS-defined positions of said first and second points and (2) the orientation of the structure.